

## § 21.130

### § 21.130 Sucrose octaacetate.

(a) Sucrose octaacetate is an organic acetylation product occurring as a white or cream-colored powder having an intensely bitter taste.

(b) *Free acid (as acetic acid)*. Maximum percentage 0.15 by weight when determined by the following procedure: Dissolve 1.0 gram of sample in 50 ml of neutralized ethyl alcohol (or S.D.A. No. 3-A, No. 3-C, or No. 30) and titrate with 0.1 N sodium hydroxide using phenolphthalein indicator.

Percent acid as acetic acid =  $\frac{\text{ml NaOH used} \times 0.6}{\text{weight of sample}}$

(c) *Insoluble matter*. 0.30 percent by weight maximum.

(d) *Melting point*. Not less than 78.0 °C.

(e) *Purity*. Sucrose octaacetate 98 percent minimum by weight when determined by the following procedure: Transfer a weighed 1.50 grams sample to a 500 ml Erlenmeyer flask containing 100 ml of neutral ethyl alcohol (or S.D.A. No. 3-A, No. 3-C, or No. 30) and exactly 50.0 ml of 0.5 N sodium hydroxide. Reflux for 1 hour on a steam bath, cool and titrate the excess sodium hydroxide with 0.5 N sulfuric acid using phenolphthalein indicator.

Percent sucrose octaacetate =  $\frac{(\text{ml NaOH} - \text{ml H}_2\text{SO}_4) \times 4.2412}{\text{weight of sample}}$

### § 21.131 Toluene.

(a) *Distillation range*. (For applicable ASTM method, see 1980 Annual Book of ASTM Standards, Part 29, page 569, Standard No. D 362-75 for industrial grade toluene; for incorporation by reference, see § 21.6(b).) When 100 ml of toluene are distilled by this method, not more than 1 ml should distill below 109 °C., and not less than 99 ml below 112 °C.

(b) *Boiling point*. 110.6 °±1 °C.

(c) *Odor*. Characteristic odor.

(d) *Specific gravity at 15.56 °/15.56 °C*. 0.869 to 0.873.

### § 21.132 Vinegar.

(a) *Vinegar, 90-grain*:

*Acidity (as acetic acid)*. 9.0 percent by weight, minimum.

(b) *Vinegar, 60-grain*:

*Acidity (as acetic acid)*. 6.0 percent by weight, minimum.

## 27 CFR Ch. I (4-1-00 Edition)

### Subpart F—Uses of Specially Denatured Alcohol and Specially Denatured Rum

#### § 21.141 List of products and processes using specially denatured alcohol and rum, and formulas authorized therefor.

This section lists, alphabetically by product or process, formulas of specially denatured alcohol authorized for use in those products or processes, and lists the code numbers assigned thereto. Specially denatured rum, as well as specially denatured alcohol, may be used in tobacco sprays and flavors, Code No. 460, under Formula No. 4.

#### USES OF SPECIALLY DENATURED ALCOHOL <sup>1</sup>

Product or process	Code No.	Formulas authorized
Acetaldehyde .....	551	1, 2-B, 29.
Acetic acid .....	512	29, 35-A.
Adhesives and binders .....	036	1, 3-A, 3-C, 12-A, 23-A, 30.
Aldehydes, miscellaneous.	552	1, 2-B, 29.
Alkaloids (processing) ..	344	1, 2-B, 2-C, 3-A, 3-C, 12-A, 13-A, 17, 23-A, 30, 32, 35-A.
Animal feed supplements.	910	35-A.
Antibiotics (processing)	343	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.
Antifreeze, proprietary ..	760	1.
Antiseptic, bathing solution (restricted).	220	46.
Antiseptic solutions, U.S.P. or N.F.	244	23-A, 37, 38-B, 38-F.
Bath preparations .....	142	1, 3-A, 3-B, 3-C, 23-A, 30, 36, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Bay rum .....	112	23-A, 37, 38-B, 39, 39-B, 39-D, 40, 40-A, 40-B, 40-C.
Biocides, miscellaneous	410	1, 3-A, 3-B, 3-C, 23-A, 23-H, 27-A, 27-B, 30, 37, 38-B, 39-B, 40, 40-A, 40-B, 40-C.
Blood and blood products (processing).	345	1, 3-A, 3-C, 12-A, 13-A, 23-A, 30.
Brake fluids .....	720	1, 3-A, 3-C.
Candy glazes .....	015	13-A, 23-A, 35, 35-A, 45.
Cellulose coatings .....	011	1, 3-A, 3-C, 23-A, 30.
Cellulose compounds (dehydration).	311	1, 2-B, 3-A, 3-C, 32.
Cellulose intermediates	034	1, 3-A, 3-C, 13-A, 19, 23-A, 32.
Chemicals (miscellaneous).	579	1, 2-B, 2-C, 3-A, 3-C, 6-B, 12-A, 13-A, 17, 20, 29, 30, 32, 36.
Cleaning solutions .....	450	1, 3-A, 3-C, 23-A, 23-H, 30, 36, 39-B, 40, 40-A, 40-B, 40-C.
Coatings, miscellaneous	016	1, 3-A, 3-C, 23-A.
Collodions, industrial ....	034	1, 3-A, 3-C, 13-A, 19, 23-A, 32.